

PROJECTION DISPLAY APPARATUS WITH **TWO REFLECTIVE LIGHT PANELS**

Abstract

A projection display apparatus includes a light source configured to supply light; a
5 polarizing beam splitter for splitting light from the light source into two different polarization
state lights; two reflective light panels of which each has a color filter embedded therein and
respectively modulates the two polarization state lights so as to simultaneously produce red,
green and blue image lights; and a projection lens receiving these color image lights and then
10 projecting them onto a viewing surface so as to form a full-color image.